

DEMONSTRATION PROGRAM FOR TINY BASIC V1.2

THE ATTACHED PROGRAM HAS BEEN SENT IN BY ONE OF OUR CUSTOMERS TO WHOM WE ARE MOST GRATEFUL.

IT IS NOT REALLY READY FOR GENERAL CIRCULATION YET, BUT WE ARE SENDING IT TO GIVE AN IDEA OF HOW MACHINE CODE WORK CAN BE CARRIED OUT FROM THE BASIC INTERPRETER PROGRAM.

THERE ARE 5 COMMANDS, WHICH ARE ENTERED AS A SINGLE LETTER FOLLOWED BY 'CARRIAGE RETURN':

- D : DUMP TO TAPE
- L : LOAD FROM TAPE
- M : MODIFY A MEMORY LOCATION
- R : RUN - BEGIN EXECUTION OF A MACHINE CODE PROGRAM.
- T : TABULATE THE CONTENTS OF A BLOCK OF MEMORY

(NO DETAILED OPERATING INSTRUCTIONS ARE AVAILABLE, BUT IT SHOULD BE NOTED WHEN CARRYING OUT EXPERIMENTS, THAT THE 4-DIGIT ADDRESS SHOULD BE ENTERED AS 4 INDIVIDUAL HEXADECIMAL NUMBERS, EACH FOLLOWED BY CARRIAGE RETURN.)

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SHEET 1 OF 3

LIST,60

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3 A=0
4 P.'';A=A+1; IF A<16 G.4
5 P.' *****'
6 P.' * "USER ROUTINE" PROGRAM *'
7 P.' * SUBMITTED BY K.S.FOY AND *
8 P.' * MARC ANDREW 20 JUNE 1980 * *****'
9 P.'';P.' 5 COMMANDS: D(UMP), L(OAD), M(ODIFY), R(UN), & T(ABULAE
10 A=10; B=11; C=12
20 D=13;E=14;F=15
25 L=1300
30 T=500; R=600; N=700
100 IN.'COMMAND'U
110 IF U=14 G.3000
120 IF U=13 G.900
130 GOS. U
140 G.100
200 IN.'START ADDRESS', 'G,' 'H,' 'I,' 'J
210 O=G*4096 +H*256 +I*16 + J
220 R.
300 H=N/16
310 GOS. 400
320 H=N-H*16
330 GOS. 400
340 R.
400 IF H<10 P.#1,H;R.
410 IF H=10 P.'A',
420 IF H=11 P.'B',
430 IF H=12 P.'C',
440 IF H=13 P.'D',
450 IF H=14 P.'E',
460 IF H=15 P.'F',
470 R.
500 GOS. 200;P.;P.
510 P=0
520 GOS.800;P.
530 O=O+1;IF O<>P+23 G.520
540 GOS.200
550 IF G=H=J=I=0 G.510
560 GOS. 210; G.510
600 GOS. 200
610 U.O;G.100
700 GOS.200
720 GOS.800
730 IN.' 'I,' 'J
740 N=I*16+J
750 IF N<>1000 POKE N,0
760 O=O+1; G.720
800 N=O/256; GOS.300
810 N=O-N*256;GOS.300
820 P.' ',
830 N=PEEK(O)
840 GOS.300; R.
900 GOS.200;O=O-1
902 IN.'DATA LENGTH'K
904 K=K+O+1
906 G=9;H=9;I=9;G.960
910 G=PEEK(O)
920 H=G/100
930 G=G-H*100
940 I=G/10
READY
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LIST940

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940 I=G/10
950 G=G-I*10
960 GOS.2000
970 H=I
980 GOS.2000
990 H=G
1000 GOS.2000
1010 H=13
1020 GOS.2010
1030 O=O+1
1040 IF O<K G.910
1050 G.100
1300 GOS.200
1310 IN.' 'N
1320 IF N<>999 G.1310
1330 IN.' 'N
1340 POKE N,0
1350 O=O+1;G.1330
2000 H=H+48
2010 S=PEEK(-12286)
2020 IF ((S<128)*(S>63))=0 G.2010
2030 POKE H,-12287
2040 R.
3000 STOP
READY
>
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